

FIG. 1C.

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10	20	30	40	50	
1234567890	1234567890	1234567890	1234567890	1234567890	
CTAOCCTCAC	GGAATCACTG	ATGTCCGTCC	TTTGTATTCA	AGGAGATTAC	1950
eTyrProHis	GlyIleThrA	spValArgPr	oLeuTyrSer	ArgArgLeuP	
CAAAGGIGT	AAAACATTTC	AAGGATTTTC	CAATTCTGCC	AGGAGAAATA	2000
roLysGlyVa	lLysHisLeu	LysAspPheP	roIleLeuPr	oGlyGluIle	
TTCAAATATA	AATGGACAGT	GACTGTAGAA	GATGGGCCAA	CTAAATCAGA	2050
PheLysTyrL	ysTrpThrVa	lThrValGlu	AspGlyProT	hrLysSerAs	
TOCTGGTGC	CTGAOCCTCT	ATTACTCTAG	TTTGGTTAAT	ATGGAGAGAG	2100
pProArgCys	LeuThrArgT	yrTyrSerSe	rPheValAsn	MetGluArgA	
ATCTAGCTTC	AGGACTCATT	GGOCCTCTCC	TCATCTGCTA	CAAAGAATCT	2150
spLeuAlaSe	rGlyLeuIle	GlyProLeuL	euIleCysTy	rLysGluSer	
GTAGATCAAA	GAGGAAOCCA	GATAATGTCA	GACAAGAGGA	ATGTCACTCT	2200
ValAspGlnA	rgGlyAsnGl	nIleMetSer	AspLysArgA	snValIleLe	
GTTTCTCTGA	TTTGATGAGA	ACCGAAGCTG	GTACCTCACA	GAGAATATAC	2250
uPheSerVal	PheAspGluA	snArgSerTr	pTyrLeuThr	GluAsnIleG	
AAOGCTTTCT	COCCAATCCA	GCTGGAGTGC	AGCTTGAGGA	TCCAGAGTTC	2300
lnArgPheLe	uProAsnPro	AlaGlyValG	lnLeuGluAs	pProGluPhe	
CAAGCCTCCA	ACATCATGCA	CAGCATCAAT	GGCTATGTTT	TTGATAGTTT	2350
GlnAlaSerA	snIleMetHi	sSerIleAsn	GlyTyrValP	heAspSerLe	
GCAGTTGTCA	GTTTGTGTTGC	ATGAGGTGGC	ATACTGGTAC	ATTCTAAGCA	2400
uGlnLeuSer	ValCysLeuH	isGluValAl	aTyrTrpTyr	IleLeuSerI	
TTGGAGCACA	GACTGACTTC	CTTCTCTGCT	TCTTCTCTGG	ATATAOCTTC	2450
leGlyAlaGl	nThrAspPhe	LeuSerValP	hePheSerGl	yTyrThrPhe	
AAACACAAA	TGGTCTATGA	AGACACACTC	ACCTATATCC	CATTCTCAGG	2500
LysHisLysM	etValTyrGl	uAspThrLeu	ThrLeuPheP	roPheSerGl	
AGAACTGTTC	TTTCATGTGA	TGGAAAACCC	AGGCTATATG	ATTCTGGGGT	2550
yGluThrVal	PheMetSerM	etGluAsnPr	oGlyLeuTrp	IleLeuGlyC	
GCCACAACCTC	AGACTTTCCG	AACAGAGGCA	TGACCGOCTT	ACTGAAGGTT	2600
ysHisAsnSe	rAspPheArg	AsnArgGlyM	etThrAlaLe	uLeuLysVal	
TCTAGTTGTG	ACAAGAACAC	TGGTGATTAT	TACGAGGACA	GTTATGAAGA	2650
SerSerCysA	spLysAsnTh	rGlyAspTyr	TyrGluAspS	erTyrGluAs	
TATTTACGCA	TACTTGCTGA	GTAAAAACAA	TGOCATTGAA	OCAAGAAGCT	2700
pIleSerAla	TyrLeuLeuS	erLysAsnAs	nAlaIleGlu	ProArgSerP	
TCTCCAGAA	TTCAAGACAC	OCTAGCACTA	GGCAAAAGCA	ATTTAATGCC	2750
heSerGlnAs	nSerArgHis	ProSerThrA	rgGlnLysGl	nPheAsnAla	
AOCOCACCAG	TCTTGAAACG	CCATCAACGG	GAAATAACTC	GTACTACTCT	2800
ThrProProV	alLeuLysAr	gHisGlnArg	GluIleThrA	rgThrThrLe	
TCAGTCAGAT	CAAGAGGAAA	TTGACTATGA	TGATACCATA	TCAGTTGAAA	2850
uGlnSerAsp	GlnGluGluI	leAspTyrAs	pAspThrIle	SerValGluM	

FIG. 1E.

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10	20	30	40	50	
1234567890	1234567890	1234567890	1234567890	1234567890	
TTACCATCCA	AAGCTGGAAT	TTGGGGGGTG	GAATGOCITA	TTGGCGAGCA	3850
LeuProSerL	ysAlaGlyIl	eTrpArgVal	GluCysLeuI	leGlyGluHi	
TCTACATGCT	GGGATGAGCA	CACTTTTCT	GGTGTACAGC	AATAAGIGTC	3900
sLeuHisAla	GlyMetSerT	hrLeuPheLe	uValTyrSer	AsnLysCysG	
AGACTOOOCT	GGGAATGGCT	TCTGGACACA	TTAGAGATTT	TCAGATTACA	3950
lnThrProLe	uGlyMetAla	SerGlyHisI	leArgAspPh	eGlnIleThr	
GCTTCAGGAC	AATATGGACA	GIGGGOOCCA	AAGCTGGOCA	GACTTCATTA	4000
AlaSerGlyG	lnTyrGlyGl	nTrpAlaPro	LysLeuAlaA	rgLeuHisTy	
TTCGGATCA	ATCAATGOCT	GGAGCAOCAA	GGAGOOCTTT	TCTTGGATCA	4050
rSerGlySer	IleAsnAlaT	rpSerThrLy	sGluProPhe	SerTrpIleL	
AGGIGGATCT	GTGGGCACCA	ATGATTATTC	ACGGCATCAA	GAOCCAGGGT	4100
ysValAspLe	uLeuAlaPro	MetIleIleH	isGlyIleLy	sThrGlnGly	
GOOOGTCAGA	AGTTCOCAG	CCCTACATC	TCTCAGTTTA	TCATCATGTA	4150
AlaArgGlnL	ysPheSerSe	rLeuTyrIle	SerGlnPheI	leIleMetTy	
TAGICTTGAT	GGGAAGAAGT	GGCAGACTTA	TGAGAGAAAT	TOCACTGGAA	4200
rSerLeuAsp	GlyLysLysT	rpGlnThrTy	rArgGlyAsn	SerThrGlyT	
OCTTAATGGT	CTTCTTTGGC	AATGIGGATT	CATCTGGGAT	AAAACACAAT	4250
hrLeuMetVa	lPhePheGly	AsnValAspS	erSerGlyIl	eLysHisAsn	
ATTTTTTAACC	CIOCAATTAT	TGCTOGATAC	ATCOGTTTGC	AOCCAACCTCA	4300
IlePheAsnP	roProIleIl	eAlaArgTyr	IleArgLeuH	isProThrHi	
TTATAGCATT	CGCAGCACTC	TTOGCATGGA	GTGATGGGC	TGIGATTIAA	4350
sTyrSerIle	ArgSerThrL	euArgMetGl	uLeuMetGly	CysAspLeuA	
ATAGTTGCAG	CATGOCATIG	GGAAATGGAGA	GTAAAGCAAT	ATCAGATGCA	4400
snSerCysSe	rMetProLeu	GlyMetGluS	erLysAlaIl	eSerAspAla	
CAGATTACTG	CTTCATOCIA	CTTTACCAAT	ATGTTTGOCA	OCTGGTCTOC	4450
GlnIleThrA	laSerSerTy	rPheThrAsn	MetPheAlaT	hrTrpSerPr	
TTCAAAGCT	CGACTTCACC	TOCAAGGGAG	GAGTAATGOC	TGGAGAOCTC	4500
oSerLysAla	ArgLeuHisL	euGlnGlyAr	gSerAsnAla	TrpArgProG	
AGGTGAATAA	TOCAAAGAG	TGGCTGCAAG	TGGACTTOCA	GAAGACAATG	4550
lnValAsnAs	nProLysGlu	TrpLeuGlnV	alAspPheGl	nLysThrMet	
AAAGTCACAG	GAGTAACTAC	TCAGGGAGTA	AAATCTCTGC	TTAOCAGCAT	4600
LysValThrG	lyValThrTh	rGlnGlyVal	LysSerLeuL	euThrSerMe	
GIATGIGAAG	GAGTTOCTCA	TCTOCAGCAG	TCAAGATGGC	CATCAGTGGG	4650
tTyrValLys	GluPheLeuI	leSerSerSe	rGlnAspGly	HisGlnTrpT	
CTCTCTTTTT	TCAGAATGGC	AAAGTAAAGG	TTTTTCAGGG	AAATCAAGAC	4700
hrLeuPhePh	eGlnAsnGly	LysValLysV	alPheGlnGl	yAsnGlnAsp	
TOCTTCACAC	CTGTGGIGAA	CTCTCTAGAC	CCACCGTTAC	TGACTOGCTA	4750
SerPheThrP	roValValAs	nSerLeuAsp	ProProLeuL	euThrArgTy	

FIG. 1F.

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10	20	30	40	50	
1234567890	1234567890	1234567890	1234567890	1234567890	
OCTTGAATT	CACCCOCAGA	GTTGGGIGCA	CCAGATTGOC	CTGAGGATGG	4800
rLeuArgIle	HisProGlnS	erTrpValHi	sGlnIleAla	LeuArgMetG	
AGGTTCTGGG	CTGOGAGGCA	CAGGAOCTCT	ACTGACTOGA	GOGAGTTCTT	4850
luValLeuGl	yCysGluAla	GlnAspLeuT	yr...		
CTGAGGGGAT	CGGCAATAAA	AAGACAGAAT	AAAACGCAOG	GGTGTITGGGT	4900
OGTTTGTTOG	GATOCAGATC	TAGGAACCCC	TAGTGATGGA	GTTGGGCACT	4950
COCTCTCTGC	GOGCTOGCTC	GCTCACTGAG	GOOGCCCGGG	CAAAGCCCGG	5000
GOGTGGGGCG	AOCTTTGGTC	GOOOGGOCTC	AGTGAGOGAG	OGAGOGOGCA	5050
GAGAGGGAGT	GGCCAACCCC	CCCCCCCCCC	COOCTGCAGC	CCAGCTGCAT	5100
TAATGAATCG	GCCAACGCGC	GGGAGAGGC	GGTTTGGGTA	TTGGGOGCTC	5150
<u>TTCCGCTTCC</u>	<u>TOGCTCACTG</u>	<u>ACTOGCTGCG</u>	<u>CTGGTGGTTC</u>	<u>CGGCTGGGGC</u>	5200
<u>GAGGGGTATC</u>	<u>AGCTCACTCA</u>	<u>AAGGOGGTAA</u>	<u>TACGGTTATC</u>	<u>CACAGAATCA</u>	5250
<u>GGGATAAAG</u>	<u>CAGGAAAGAA</u>	<u>CATGTGAGCA</u>	<u>AAAGGCCAGC</u>	<u>AAAAGGCCAG</u>	5300
<u>GAACCGTAAA</u>	<u>AAGGCGGGT</u>	<u>TGCTGGGGTT</u>	<u>TTTCCATAGG</u>	<u>CTCCGCCCCC</u>	5350
<u>CTGACGAGCA</u>	<u>TCACAAAAT</u>	<u>CGACGCTCAA</u>	<u>GTCAGAGGTG</u>	<u>GCGAAACCCG</u>	5400
<u>ACAGGACTAT</u>	<u>AAAGATACCA</u>	<u>GGGGTTTCC</u>	<u>CCTGGAAGCT</u>	<u>COCTGGTGGC</u>	5450
<u>CTCTCCTGTT</u>	<u>CCGACCCCTG</u>	<u>CGCTTACCGG</u>	<u>ATAOCTGTCC</u>	<u>GCTTTCTCC</u>	5500
<u>CTTGGGAAG</u>	<u>CGTGGCGCTT</u>	<u>TCTCAATGCT</u>	<u>CACGCTGTAG</u>	<u>GTATCTCAGT</u>	5550
<u>TOGGTGTAGG</u>	<u>TOGTTGGCTC</u>	<u>CAAGCTGGGC</u>	<u>TGTGTGCAAG</u>	<u>AACCCCCCGT</u>	5600
<u>TCAGCCCGAC</u>	<u>CGCTGGCGCT</u>	<u>TATCCGGTAA</u>	<u>CTATGGTCTT</u>	<u>GAGTCCAACC</u>	5650
<u>CGGTAAGACA</u>	<u>CGACTTATCG</u>	<u>CCACTGGCAG</u>	<u>CAGCCACTGG</u>	<u>TAACAGGATT</u>	5700

FIG. 1G.

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10	20	30	40	50	
1234567890	1234567890	1234567890	1234567890	1234567890	
<u>AGCAGAGCGA</u>	<u>GGTATGTAGG</u>	<u>CGGTGCTACA</u>	<u>GAGTTCCTGA</u>	<u>AGTGGTGGCC</u>	5750
<u>TAACTACGGC</u>	<u>TACACTAGAA</u>	<u>GGACAGTATT</u>	<u>TGGTATCTGC</u>	<u>GCTCTGCTGA</u>	5800
<u>AGCCAGTTAC</u>	<u>CTTOGGAAAA</u>	<u>AGAGTTGGTA</u>	<u>GCTCTTGATC</u>	<u>CGGCAAACAA</u>	5850
<u>ACCACCGCTG</u>	<u>GTAGOGGTTG</u>	<u>TTTTTTTGGT</u>	<u>TGCAAGCAGC</u>	<u>AGATTACGGC</u>	5900
<u>CAGAAAAAAA</u>	<u>GGATCTCAAG</u>	<u>AAGATCCTTT</u>	<u>GATCCTTTCT</u>	<u>AOGGGGCTCG</u>	5950
<u>AOGCTCAGTG</u>	<u>GAACGAAAAC</u>	<u>TCAOGTTAAG</u>	<u>GGATTTTGGT</u>	<u>CATGAGATTA</u>	6000
<u>TCAAAAAGGA</u>	<u>TCTTCACCTA</u>	<u>GATCCTTTTA</u>	<u>AATTAAAAAT</u>	<u>GAAGTTTAA</u>	6050
<u>ATCAATCTAA</u>	<u>AGTATATATG</u>	<u>AGTAAACTTG</u>	<u>GTCTGACAGT</u>	<u>TACCAATGCT</u>	6100
TAATCAGTGA	GGCAOCTATC	TCAGOGATCT	GTCTATTTCG	TTCATCCATA	6150
ueL...siHo	rPlaV...gr	AueLreSgrA	psAelIulGn	sAteMprTue	
GTTCGCTGAC	TCCCGTGGT	GTAGATAACT	ACGATACGGG	AGGGCTTAOC	6200
lnlGgrAlaV	ylGgrAgrAr	hTreSueL..	.reSlaVorP	orPreSlaVt	
ATCTGGCCCC	AGTGCTGCAA	TGATAOOGG	AGACCCACGC	TCACCGGCTC	6250
eMnlGylGpr	TsiHnlGueL	reSlaValAu	eLylGlaVre	SlaVorPulG	
CAGATTTATC	AGCAATAAAC	CAGCCAGCGG	GAAGGGGCGA	GCGCAGAAGT	6300
ueLnsAelIu	eLueLueLyl	GalAueLgrA	ehPorPgrAa	lAsyCehPsi	
GGTCCTGCAA	CTTTATCCGC	CTCCATCCAG	TCTATTAATT	GTTCGCGGGA	6350
HpsAnlGueL	syLelIgrAg	rAprTylGrh	T.....nsA	nsAylGorPu	
AGCTAGAGTA	AGTAGTTCGC	CAGTTAATAG	TTTGCGCAAC	GTGTGTGCCA	6400
eL...ueLue	LryTnsAala	ueL...ryTn	sAalAsyCgr	AnlGnlGprT	
TTGCTACAGG	CATOGTGGTG	TCAOGCTCGT	CGTTTGGTAT	GGCTTCATTC	6450
nlG...ueLs	yCgrAorPrh	TlaVreSrhT	rhTnlGryTo	rPsyLteM..	
AGCTCCGGTT	CCCAACGATC	AAGGOGAGTT	ACATGATCCC	CCATGTTTGG	6500
.reSgrAnsA	ylGlaVelIu	eLalAueL..	.teMelIylG	prTrhTrhTs	
CAAAAAAGCG	GTTAGCTCCT	TOGGTCTCTC	GATCGTTGTC	AGAAGTAAGT	6550
yCehPueLor	P...reSgrA	grApsAulGr	eSgrAnlG..	.ehPryTrhT	
TGGCCGCAGT	GTTATCACTC	ATGGTTATGG	CAGCACTGCA	TAATTCCTCT	6600
orPgrAueLr	hTelIlaV..	.orP...orP	ueLlaValAr	yTnsAulG..	
ACTGTCATGC	CATCCGTAAAG	ATGCTTTTCT	GTGACTGGTG	AGTACTCAAC	6650
.nlG...ala	teMgrAueLe	lIreSsylnl	GreSnlGsiH	rhTreSueLp	

FIG. 1H.

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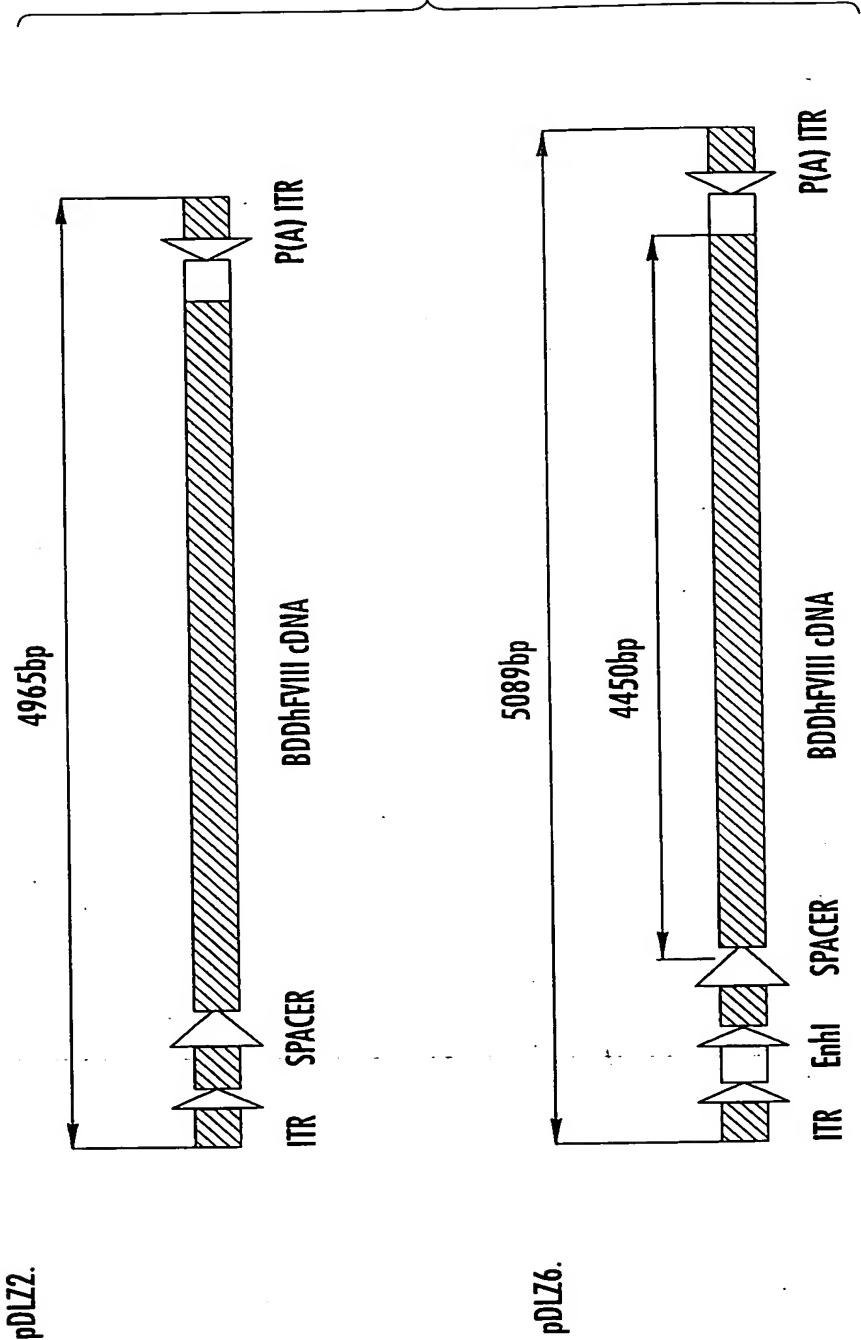
10	20	30	40	50	
1234567890	1234567890	1234567890	1234567890	1234567890	
CAAGTCATTC	TGAGAATAGT	GTATGOGGCG	ACOGAGITGC	TCTTGCCCGG	6700
rTrhTteMgr	AueLelIrhT	ryTalaAlAl	aVreSnsAre	SsyLylGorP	
CGICAATAACG	GGATAATAAC	GOGCACATA	GCAGAACTTT	AAAAGTGCTC	6750
rhTueLlaVo	rPryTryTgr	AalAlaVryT	syCehPsyLu	eLueLala..	
ATCATTTGAA	AACGTTCTTC	GGGGCGAAAA	CTCTCAAGGA	TCTTACCGCT	6800
....nlGehP	laVnsAsyLo	rPalAehPla	VgrAueLreS	grAlaValAr	
GTTGAGATOC	AGTTCGATGT	AACCCACTCG	TGCACCCAAC	TGATCTTCAG	6850
hTreSelIpr	TnsAreSrhT	laVprTulGs	iHlaVprTre	SelIsyLueL	
CATCTTTTAC	TTTCAACCAGC	GTTTCTGGGT	GAGCAAAAAC	AGGAAGGCAA	6900
teMsyL...s	yL...prTgr	AsyLnlGrhT	ueLueLehPu	eLehPalAeh	
AATGCGCAA	AAAAGGGAAT	AAGGGOGACA	CGGAAATGTT	GAATACTCAT	6950
PsiHgrAueL	ehPorPehPu	eLorPreSla	VreSelInsA	ehPlaV...l	
ACTCTTCCTT	TTTCAATATT	ATTGAAGCAT	TTATCAGGGT	TATTGTCTCA	7000
TGAGCGGATA	CATATTTGAA	TGTATTTAGA	AAAATAAACA	AATAGGGGTT	7050
COGOGCACAT	TTCCCGGAAA	AGTGCACCT	GAGTCTAAG	AAACCATTTAT	7100
TATCATGACA	TTAAOCTATA	AAAATAGGCG	TATCAOGAGG	CCCTTTGCTC	7150
TOGCGOGITT	CGGTGATGAC	GGTGAAAACC	TCTGACACAT	GCAGCTCCCG	7200
GAGACGGTCA	CAGCTTGTCT	GTAAGCGGAT	GOOGGGAGCA	GACAAGCCCG	7250
TCAGGGGCGG	TCAGCGGGTG	TTGGCGGGTG	TOGGGGCTGG	CTTAACTATG	7300
CGGCATCAGA	GCAGATTGTA	CTGAGAGTGC	ACCATATGOG	GTGTGAAATA	7350
COGCACAGAT	GOGTAAGGAG	AAAATAACGC	ATCAGGAAAT	TGTAAACGTT	7400
AATATTTTGT	TAAAATTGCG	GTTAAATTTT	TGTTAAATCA	GCTCATTTTT	7450
TAACCAATAG	GOOGAAATCG	GCAAAATCCC	TTATAAATCA	AAAGAATAGA	7500
COGAGATAGG	GTTGAGTGTT	GTTCCAGTTT	GGAACAAGAG	TOCACTATTA	7550
AAGAAOGTGG	ACTCCAACGT	CAAAGGGCGA	AAAACCGTCT	ATCAGGGCGA	7600

FIG. 1I.

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10	20	30	40	50	
1234567890	1234567890	1234567890	1234567890	1234567890	
<u>TGGCCCACTA</u>	<u>CGTGAACCAT</u>	<u>CACCTAATC</u>	<u>AAGTTTTTTG</u>	<u>GGGTGAGGT</u>	7650
<u>GOGTAAAGC</u>	<u>ACTAAATGG</u>	<u>AACCTAAAG</u>	<u>GGAGCCCCCG</u>	<u>ATTTAGAGCT</u>	7700
<u>TGACGGGGAA</u>	<u>AGCCGGCGAA</u>	<u>CGTGGCGAGA</u>	<u>AAGGAAGGGA</u>	<u>AGAAAGCGAA</u>	7750
<u>AGGAGGGGGC</u>	<u>GCTAGGGGCG</u>	<u>TGGCAAGTGT</u>	<u>AGGGTCAAG</u>	<u>CTGGCGGTAA</u>	7800
<u>CCACCACACC</u>	<u>CGCCGGCGCT</u>	<u>AATGCGCGC</u>	<u>TACAGGGGCG</u>	<u>GTGGCGCAT</u>	7850
<u>TGGCATTTCA</u>	<u>GGCTACGCAA</u>	<u>CTGTTGGGAA</u>	<u>GGGCGATCGG</u>	<u>TGCGGGGCTC</u>	7900
<u>TTOGCTATTA</u>	<u>CGCCAGCTGG</u>	<u>CTGCAGGGGG</u>	<u>GGGGGGGGGG</u>	<u>GGGT</u>	7944

FIG. 2.



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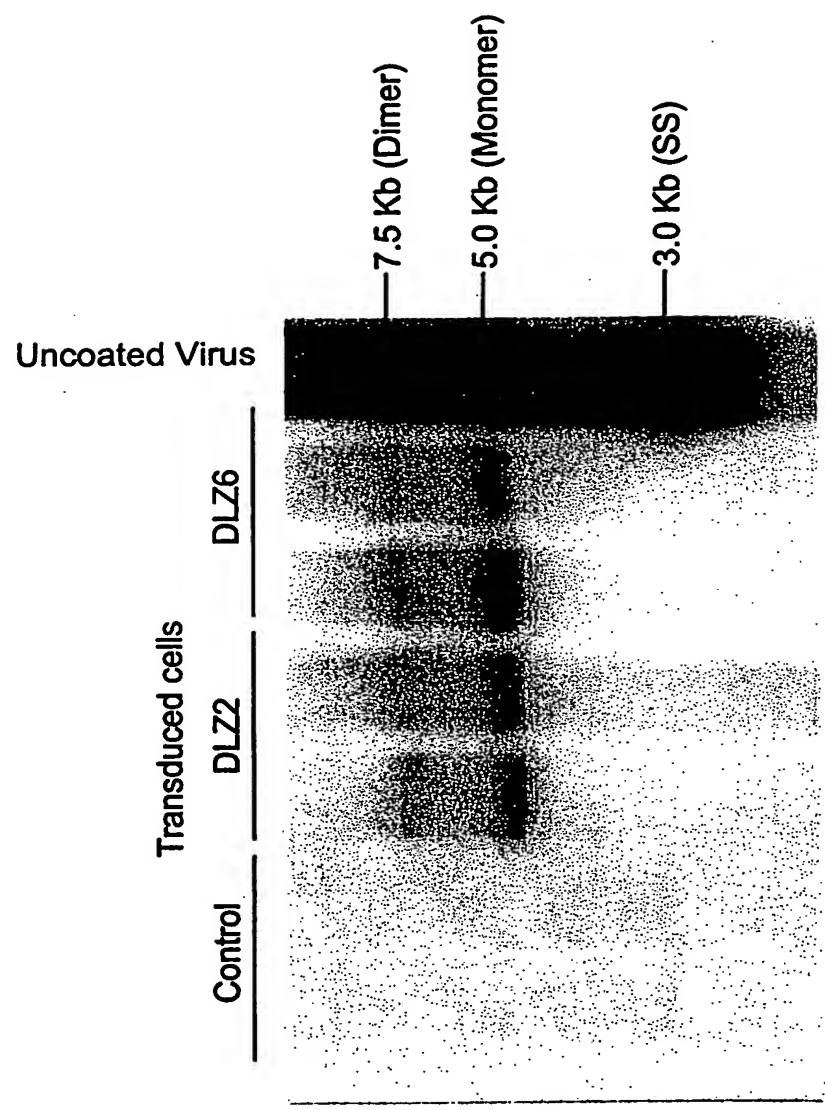


FIG. 3.

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FIG. 4.A.

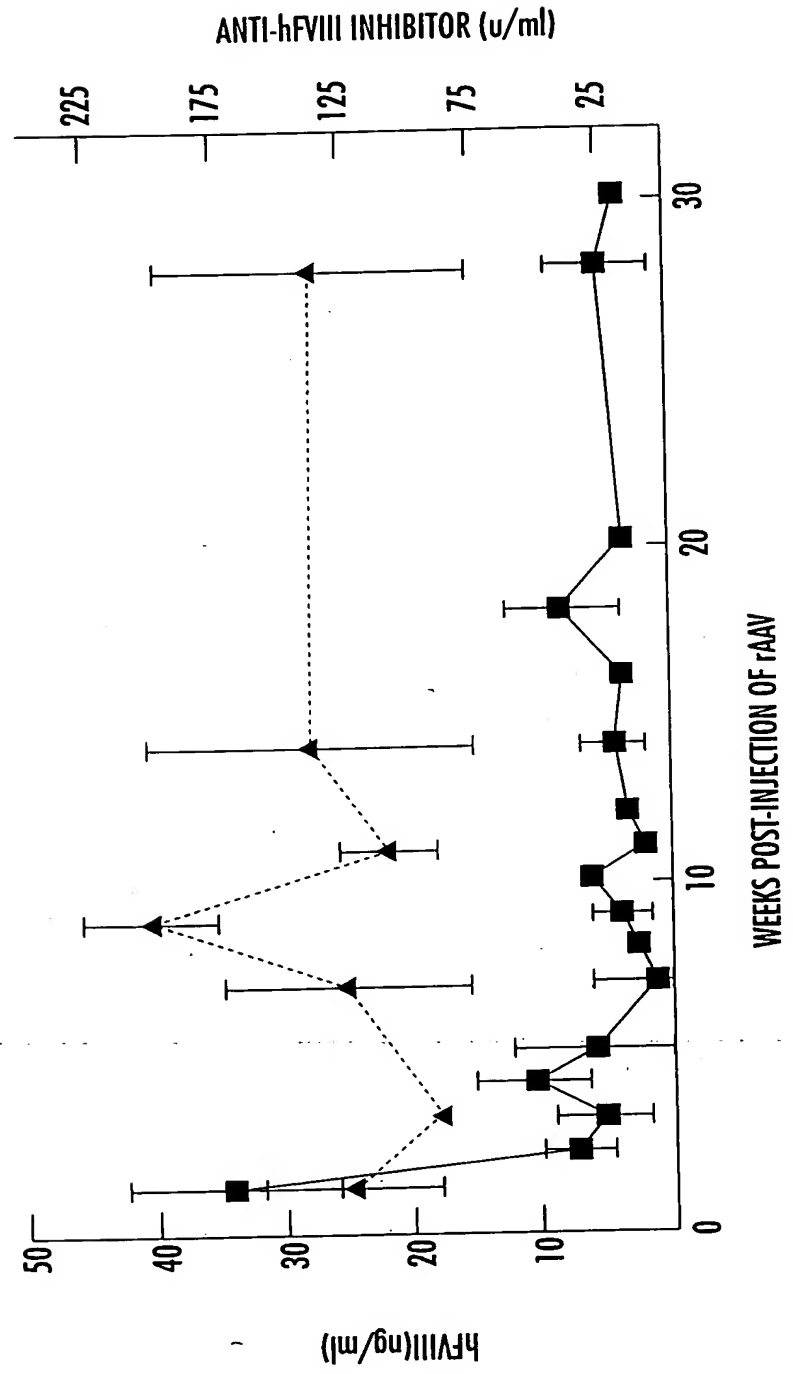


FIG. 4.B.

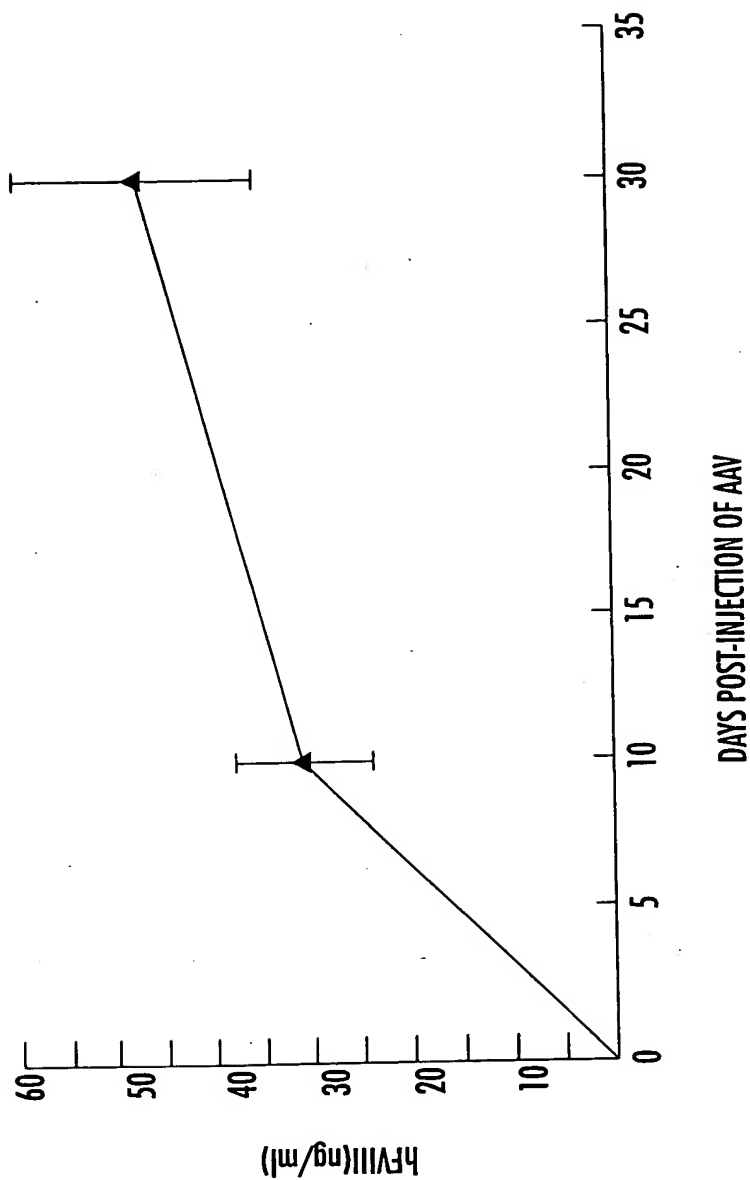


FIG. 5.A.

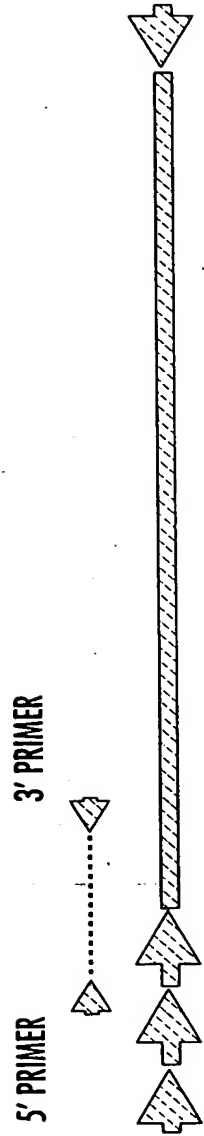


FIG. 5.B.

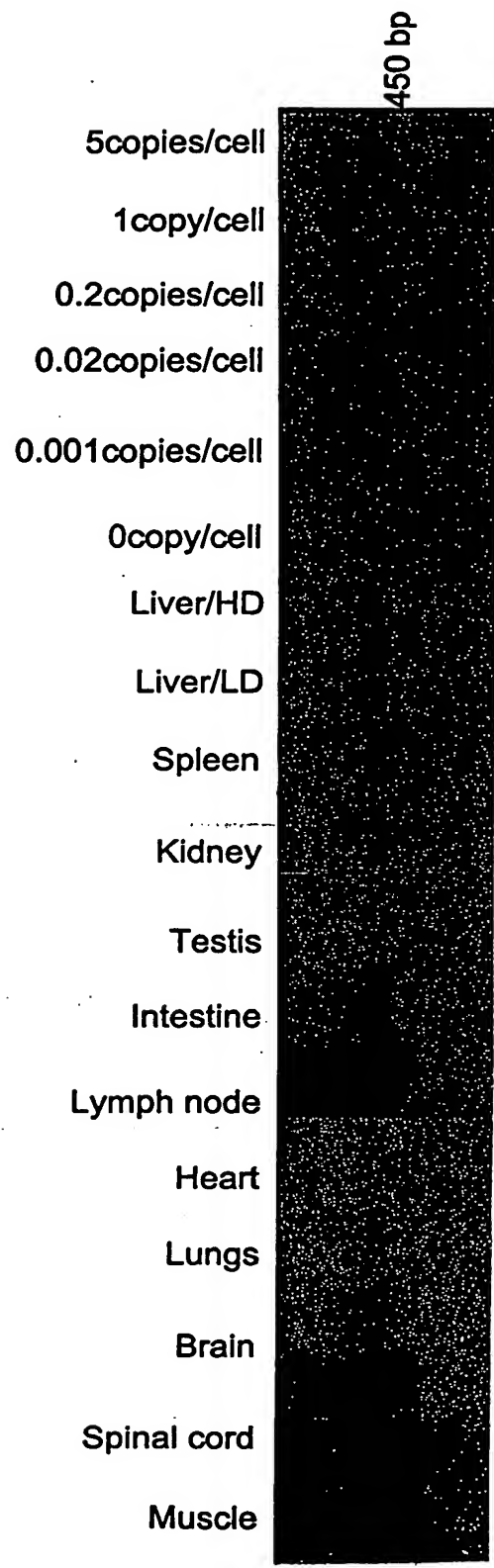


FIG. 5.C.

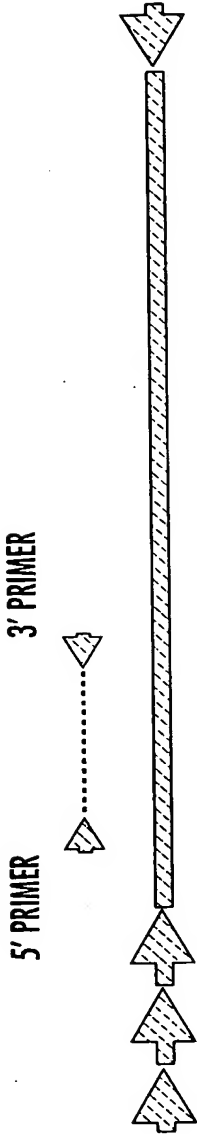
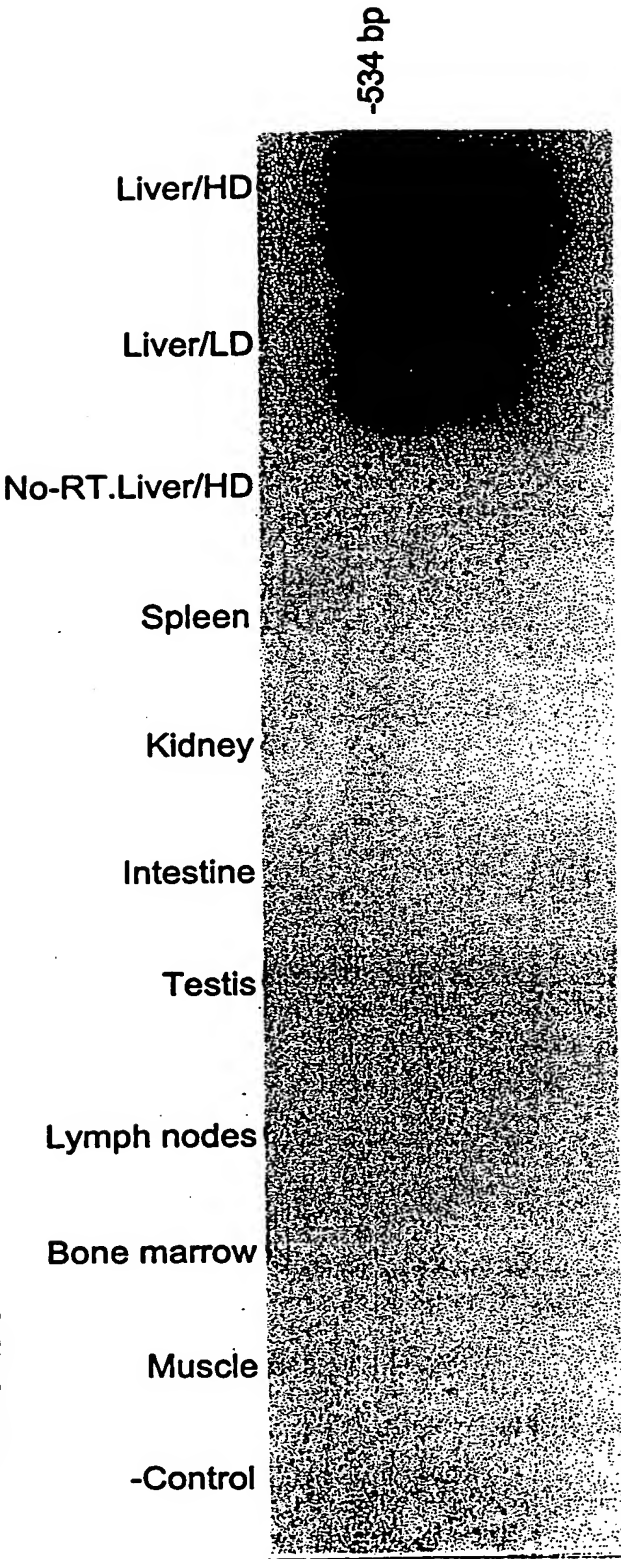


FIG. 5.D.



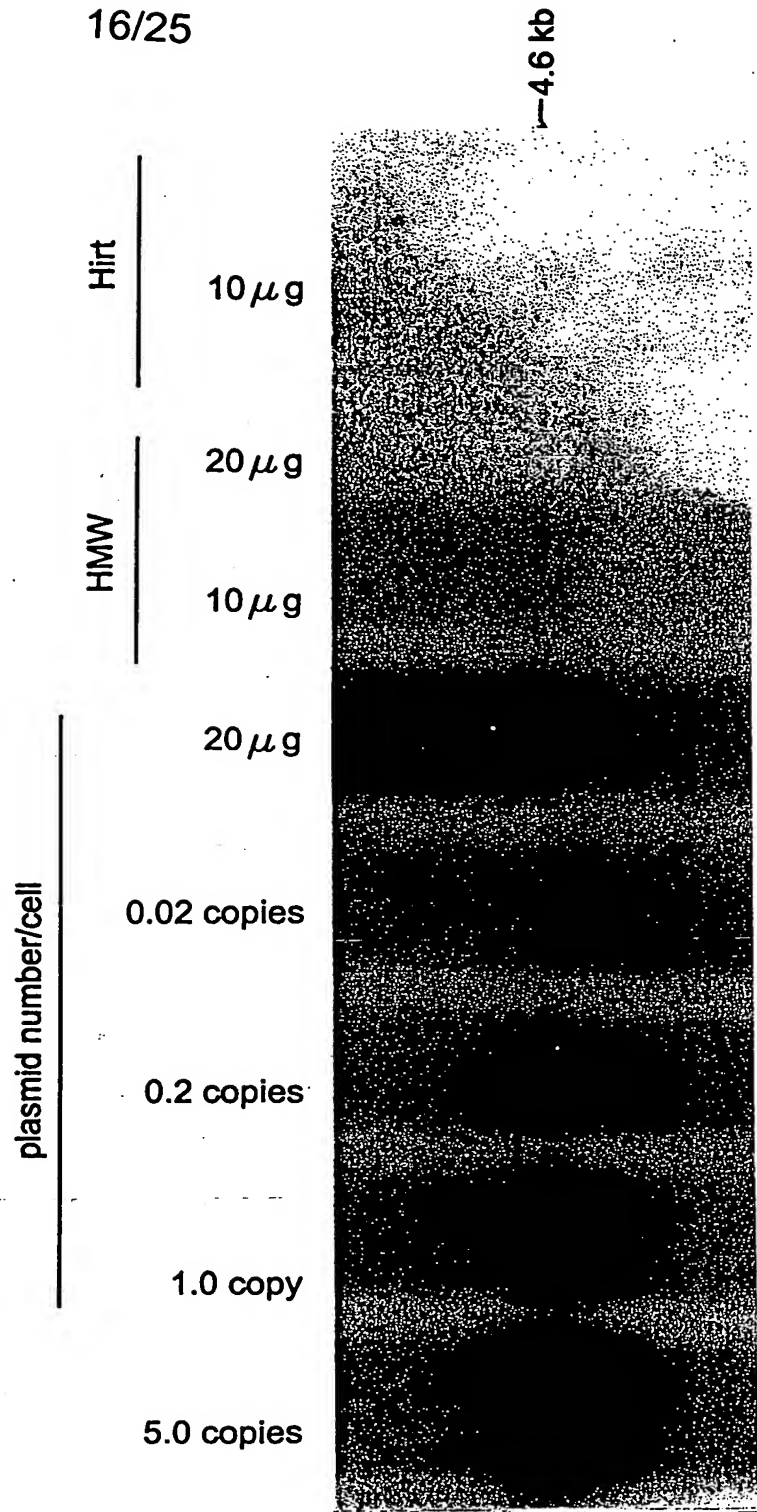


FIG. 6.A.

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10	20	30	40	50	
1234567890	1234567890	1234567890	1234567890	1234567890	
TGGGCACTCC	CTCTCTGOGC	GCTGCTGOGC	TCACTGAGGC	CGGGGCACCA	50
AAGGTGGGCC	GAAGGCGGGG	CTTTGCGCGG	GCGGCTCAG	TGAGGAGCG	100
AGGCGCAGA	GAGGGAGTGG	CCAACTOCAT	CACTAGGGGT	TOCTCAGATC	150
TCTTTCTAAG	TAAACAGTAC	ATGAAOCTTT	AOCOCGTTGC	TOGGCAAOCG	200
OCTGGTCTGT	GCCAAGTGT	TGCTGAOGCA	ACOCOCCTG	GCTGGGGCTT	250
GGCCATAGGC	CATCAGGCA	TGGGATCTC	AGTGTGGTTT	TGCAAGAGGA	300
AGCAAAAAGC	CTCTOCACCC	AGGCTGGAA	TGTTTOCACC	CAATGTGCGAG	350
CAGTGTGGTT	TTGCAAGAGG	AAGCAAAAAG	CCTCTOCACC	CAGGCTGGA	400
CTGAACTCG	AGAGTACTTC	TAGAAATACG	AGCCATGCAA	GTAGAGCTCT	450
			MetGln	ValGluLeuT	
ACAACTGCTG	CTTTCTGTGC	CTTTTGCCCT	TCAGCCTTAG	TGCCACCAGA	500
yrThrCysCy	sPheLeuCys	LeuLeuProP	heSerLeuSe	rAlaThrArg	
AAATACTACC	TOGGTGCAGT	GGAAGTGTCC	TGGGACTATA	TGCAAAGTGA	550
LysTyrTyrL	euGlyAlaVa	lGluLeuSer	TrpAspTyrM	etGlnSerAs	
CCTGCTCAGT	GCGCTGCAAG	CGGATACAAG	CTTTTCTTCC	AGGGTGGCAG	600
pLeuLeuSer	AlaLeuHisA	laAspThrSe	rPheSerSer	ArgValProG	
GATCTTTGCC	ACTCAACACG	TCAGTCAAGT	ACAGAAAGAC	TGTGTTTGTA	650
lySerLeuPr	oLeuThrThr	SerValThrT	yrArgLysTh	rValPheVal	
GAGTTTACAG	ATGAOCTTTT	CAACATTGOC	AAGOCAGGC	CACCGTGGAT	700
GluPheThrA	spAspLeuPh	eAsnIleAla	LysProArgP	roProTrpMe	
GGGCTGCTG	GGTCTACCA	TOCAGGCTGA	GGTTTATGAC	ACAGTGGTCA	750
tGlyLeuLeu	GlyProThrI	leGlnAlaGl	uValTyrAsp	ThrValValI	
TTGTCTTAA	GAACATGGCT	TCTCATCTCG	TCAGCCTTCA	CGCTGTGGT	800
leValLeuLy	sAsnMetAla	SerHisProV	alSerLeuHi	sAlaValGly	
GTATCTTATT	GGAAAGCTTC	TGAAGGTGCT	GAGTATGAGG	ATCAGAACAG	850
ValSerTyrT	rpLysAlaSe	rGluGlyAla	GluTyrGluA	spGlnThrSe	
CCAAAAGGAG	AAGGAAGATG	ATAATGTCAT	TOCTGGTGAA	AGOCATAOCT	900
rGlnLysGlu	LysGluAspA	spAsnValIl	eProGlyGlu	SerHisThrT	
ATGTCTGGCA	GGTCTGAAA	GAGAATGGCC	CAATGGCCTC	TGATCCACCA	950
yrValTrpGl	nValLeuLys	GluAsnGlyP	roMetAlaSe	rAspProPro	

FIG. 6.B.

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10	20	30	40	50	
1234567890	1234567890	1234567890	1234567890	1234567890	
TGTCACAOCT	ACTCATATTT	TTCACACGIG	GAOCTGGTGA	AAGAOCTGAA	1000
CysLeuThrT	yrSerTyrPh	eSerHisVal	AspLeuValL	ysAspLeuAs	
TTCAGGCOCTC	ATTGGAGOCC	TGCTGGITTTG	CAAAGAAGGG	AGICTGGCCA	1050
nSerGlyLeu	IleGlyAlaL	euLeuValCy	sLysGluGly	SerLeuAlaL	
AAGAAAGGAC	ACAGAOCTTG	CAGGAATTTG	TOCTACTTTT	TGCTGTATTT	1100
ysGluArgTh	rGlnThrLeu	GlnGluPheV	alLeuLeuPh	eAlaValPhe	
GATGAAGGGA	AAAGITGGCA	CTCAGAAACA	AATGCGTCTT	TGACACAGGC	1150
AspGluGlyL	ysSerTrpHi	sSerGluThr	AsnAlaSerL	euThrGlnAl	
TGAGGCOOCAG	CATGAGCTGC	ACACCATCAA	TGGCTATGTA	AACAGGICTC	1200
aGluAlaGln	HisGluLeuH	isThrIleAs	nGlyTyrVal	AsnArgSerL	
TGCCAGGTCT	TACTGTGTGT	CACAAGAGAT	CAGTCTATTG	GCATGTGATT	1250
euProGlyLe	uThrValCys	HisLysArgS	erValTyrTr	pHisValIle	
GGAAATGGGCA	CCACCCOOGA	AGTGCACCTCA	ATTTTCTCTCG	AAGGTCACAC	1300
GlyMetGlyT	hrThrProGl	uValHisSer	IlePheLeuG	luGlyHisTh	
ATTTCITGTG	AGGAOCCACC	GOCAGGCOCTC	CTTGGAGATC	TCAOCCAATTA	1350
rPheLeuVal	ArgAsnHisA	rgGlnAlaSe	rLeuGluIle	SerProIleT	
CTTTCCTTAC	TGCTCAGACA	TTCCTGATGG	AOCTTGGCCA	GTTTCTACTG	1400
hrPheLeuTh	rAlaGlnThr	PheLeuMetA	spLeuGlyGl	nPheLeuLeu	
TTTTGTGCATA	TOOCTTCCCA	TCAACATGAT	GGTATGGAAG	CTTATGICAA	1450
PheCysHisI	leProSerHi	sGlnHisAsp	GlyMetGluA	laTyrValLy	
AGTAGATAGC	TGCCCAGAGG	AACCCCAGCT	GCGCATGAAA	AATAATGAAG	1500
sValAspSer	CysProGluG	luProGlnLe	uArgMetLys	AsnAsnGluA	
ATAAAGATTA	TGATGATGGT	CTTTATGATT	CTGACATGGA	OGTAGITAGC	1550
spLysAspTy	rAspAspGly	LeuTyrAspS	erAspMetAs	pValValSer	
TTTGATGACG	ACAGCTCTTC	TOOCTTTATC	CAAATCCGCT	CAGTTGOCOA	1600
PheAspAspA	spSerSerSe	rProPheIle	GlnIleArgS	erValAlaLy	
GAAGCATOCT	AAAACITGGG	TOCACTATAT	TGCTGCTGAG	GAGGAGGACT	1650
sLysHisPro	LysThrTrpV	alHisTyrIl	eAlaAlaGlu	GluGluAspT	
GGGACTATGC	TOOCTCAGGC	CCCACCCOCCA	ATGATAGAAG	TCATAAAAAT	1700
rpAspTyrAl	aProSerGly	ProThrProA	snAspArgSe	rHisLysAsn	
CTGTATTTGA	ACAATGGTCC	TCAGCGGATT	GGTAAGAAGT	ACAAAAAAGT	1750
LeuTyrLeuA	snAsnGlyPr	oGlnArgIle	GlyLysLysT	yrLysLysVa	
COGATTITGTG	GCATACACAG	ATGAGACATT	TAAGACTOGT	GAAGCTATTC	1800
lArgPheVal	AlaTyrThrA	spGluThrPh	eLysThrArg	GluAlaIleG	
AGTATGAATC	AGGAATCCTG	GGAOCTTTAC	TTTATGGAGA	AGTTGGAGAC	1850
lnTyrGluSe	rGlyIleLeu	GlyProLeuL	euTyrGlyGl	uValGlyAsp	
AACTGCTGA	TTATATTTAA	GAATCAAGCC	AGCOGGCCAT	ATAACATCTA	1900
ThrLeuLeuI	leIlePheLy	sAsnGlnAla	SerArgProT	yrAsnIleTy	

FIG. 6.C.

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10	20	30	40	50	
1234567890	1234567890	1234567890	1234567890	1234567890	
COCTCATGGG	ATCAATTATG	TCACTCCTCT	GCACACAGGG	AGATTGCCAA	1950
rProHisGly	IleAsnTyrV	alThrProLe	uHisThrGly	ArgLeuProL	
AAGGTGTGAA	ACATTTGAAA	GATATGCCAA	TTCTGCOGGG	AGAGATATTC	2000
ysGlyValLy	sHisLeuLys	AspMetProI	leLeuProGl	yGluIlePhe	
AAGTATAAAT	GGACAGTGAC	OGTAGAAGAT	GGACCAACTA	AATCAGATOC	2050
LysTyrLysT	rpThrValTh	rValGluAsp	GlyProThrL	ysSerAspPr	
TOGGTGCCTG	ACCOGATATT	ACTCAAGCTT	CATTAATCTG	GAGAGAGATC	2100
oArgCysLeu	ThrArgTyrT	yrSerSerPh	eIleAsnLeu	GluArgAspL	
TAGCTTCAGG	ACTCATTTGGC	OCTCTTCTCA	TCTGCTACAA	AGAATCTGTA	2150
euAlaSerGl	yLeuIleGly	ProLeuLeuI	leCysTyrLy	sGluSerVal	
GATCAAAGAG	GAAACCAGAT	GATGTCAGAC	AAGAGAAATG	TCATCCTGTT	2200
AspGlnArgG	lyAsnGlnMe	tMetSerAsp	LysArgAsnV	alIleLeuPh	
TTCTGTATTT	GATGAGAATC	GAAGCTGGTA	OCTCACAGAG	AATATGCAGC	2250
eSerValPhe	AspGluAsnA	rgSerTrpTy	rLeuThrGlu	AsnMetGlnA	
GCTTCCTOCC	CAATGCAGAT	GTAGTGCAGC	CCCATGAOCC	AGAGTTCCAA	2300
rgPheLeuPr	oAsnAlaAsp	ValValGlnP	roHisAspPr	oGluPheGln	
CTCTCTAACA	TCATGCACAG	CATCAATGGC	TATGTTTTTG	ACAACCTGCA	2350
LeuSerAsnI	leMetHisSe	rIleAsnGly	TyrValPheA	spAsnLeuGl	
GCTGTCAGTT	TGTTTGCATG	AGGTGGOGTA	CTGGTACATT	CTAAGTGTTG	2400
nLeuSerVal	CysLeuHisG	luValAlaTy	rTrpTyrIle	LeuSerValG	
GAGCACAAAC	TGACTTCCTG	TCTGICTTCT	TCTCTGGATA	TACCTTCAAA	2450
lyAlaGlnTh	rAspPheLeu	SerValPheP	heSerGlyTy	rThrPheLys	
CACAAAATGG	TCTATGAAGA	CACACTTACC	CTCTTCCCAT	TCTCAGGAGA	2500
HisLysMetV	alTyrGluAs	pThrLeuThr	LeuPheProP	heSerGlyGl	
AACGTGICTTC	ATGTCAATGG	AAAACCCAGG	TCTGTGGGTT	CTGGGGTGOC	2550
uThrValPhe	MetSerMetG	luAsnProGl	yLeuTrpVal	LeuGlyCysH	
ACAACCTCAGA	CTTTOGGAAC	AGAGGCATGA	CAGCCTTACT	GAAGGTTTCT	2600
isAsnSerAs	pPheArgAsn	ArgGlyMetT	hrAlaLeuLe	uLysValSer	
AGTTGTAAACA	GGAACATTGA	TGATTATTAT	GAGGACACAT	ACGAAGATAT	2650
SerCysAsnA	rgAsnIleAs	pAspTyrTyr	GluAspThrT	yrGluAspIl	
TCCAACCTCCC	CTGCTAAATG	AAAACAATGT	AATTAAACCT	AGAAGCTTCT	2700
eProThrPro	LeuLeuAsnG	luAsnAsnVa	lIleLysPro	ArgSerPheS	
CCCAGAATTC	AAGGCACCOCT	AGCACTAAGG	AAAAGCAATT	GAAAATGAAG	2750
erGlnAsnSe	rArgHisPro	SerThrLysG	luLysGlnLe	uLysMetLys	
AGAGAAGATT	TTGACATCTA	CGGCGACTAT	GAAAATCAGG	GOCTCCGCGAG	2800
ArgGluAspP	heAspIleTy	rGlyAspTyr	GluAsnGlnG	lyLeuArgSe	
CTTTCAAAAG	AAAACACGAC	ACTATTTCAT	TGCTGCAGTG	GAGOGTCTCT	2850
rPheGlnLys	LysThrArgH	isTyrPheIl	eAlaAlaVal	GluArgLeuT	

FIG. 6.D.

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10	20	30	40	50	
1234567890	1234567890	1234567890	1234567890	1234567890	
GGGATTATGG	GATGAGTAGA	TCTCCCCATA	TACTAAGAAA	CAGGGCTCAA	2900
rpAspTyrGl	yMetSerArg	SerProHisI	leLeuArgAs	nArgAlaGln	
AGTGGGGATG	TCCAGCAGTT	CAAGAAGGTG	GTTTTTCAGG	AATTTACTGA	2950
SerGlyAspV	alGlnGlnPh	eLysLysVal	ValPheGlnG	luPheThrAs	
TGGATOCITT	ACTCAGOOCT	TATAOOGTGG	AGAACTGAAT	GAACACTTGG	3000
pGlySerPhe	ThrGlnProL	euTyrArgGl	yGluLeuAsn	GluHisLeuG	
GACTCTTGGG	GOCATATATA	AGAGCAGAAG	TTGAAGACAA	TATOGTGGTA	3050
lyLeuLeuGl	yProTyrIle	ArgAlaGluV	alGluAspAs	nIleValVal	
ACTTTCAAAA	AOCAGGOCTC	TOGTCCCTAC	TOCTTCTATT	CTAGTCTTAT	3100
ThrPheLysA	snGlnAlaSe	rArgProTyr	SerPheTyrS	erSerLeuIl	
TTCTTATGAC	GAAGATGAGG	GACAAGGAGC	AGAAOCTAGA	AGAAAGTTTG	3150
eSerTyrAsp	GluAspGluG	lyGlnGlyAl	aGluProArg	ArgLysPheV	
TCAACCCCTAA	TGAAACCAAA	ATTTACTTTT	GGAAAGTGCA	GCAATCATATG	3200
alAsnProAs	nGluThrLys	IleTyrPheT	rpLysValGl	nHisHisMet	
GCACCCACTA	AAGATGAGTT	TGACTGCAAA	GOCTGGGCCT	ATTTTCTCTGA	3250
AlaProThrL	ysAspGluPh	eAspCysLys	AlaTrpAlaT	yrPheSerAs	
TGTTGATTIG	GAGAAAGATG	TGCACTCAGG	CTTGATTGGA	CCCCTCTCTGA	3300
pValAspLeu	GluLysAspV	alHisSerGl	yLeuIleGly	ProLeuLeuI	
TCTGCCGCAG	TAACACACTG	AACCTGCTC	ATGGGAGACA	AGTGACAGTG	3350
leCysArgSe	rAsnThrLeu	AsnProAlaH	isGlyArgGl	nValThrVal	
CAGGAGTTTG	CCCTGGTTTT	CACTATATTIC	GATGAGACTA	AGAGCTGGTA	3400
GlnGluPheA	laLeuValPh	eThrIlePhe	AspGluThrL	ysSerTrpTy	
CTTCACTGAA	AACCTGGAAA	GGAAGTGTAG	AGCTCCCTGC	AATGTCCAGA	3450
rPheThrGlu	AsnLeuGluA	rgAsnCysAr	gAlaProCys	AsnValGlnL	
AGGAGGACCC	TACTCTAAAA	GAAACTTCC	GCTTCCATGC	AATCAACGGC	3500
ysGluAspPr	oThrLeuLys	GluAsnPheA	rgPheHisAl	aIleAsnGly	
TATGTGAAGG	ATACACTCCC	TGGCTTAGTA	ATGGCTCAGG	ATCAAAAGGT	3550
TyrValLysA	spThrLeuPr	oGlyLeuVal	MetAlaGlnA	spGlnLysVa	
TOGATGGTAT	CTGCTCAGCA	TGGGCAGCAA	CGAAAACATT	CATTCCATTC	3600
lArgTrpTyr	LeuLeuSerM	etGlySerAs	nGluAsnIle	HisSerIleH	
ACTTCAGTGG	ACATGTGTTC	ACTGTACGGA	AAAAAGAGGA	ATATAAAATG	3650
isPheSerGl	yHisValPhe	ThrValArgL	ysLysGluGl	uTyrLysMet	
GCAGTCTACA	AOCCTATATC	AGGTGTTTTT	GAGACTGTGG	AAATGCTACC	3700
AlaValTyrA	snLeuTyrPr	oGlyValPhe	GluThrValG	luMetLeuPr	
ATOCCAAGTT	GGAATCTGGC	GGATAGAATG	OCTTATCGGC	GAGCAOCTGC	3750
oSerGlnVal	GlyIleTrpA	rgIleGluCy	sLeuIleGly	GluHisLeuG	
AAGCCGGGAT	GAGCACTCTG	TTTCTGGTGT	ACAGCAAGAA	GTGTCACTACT	3800
lnAlaGlyMe	tSerThrLeu	PheLeuValT	yrSerLysLy	sCysGlnThr	

FIG. 6.E.

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10	20	30	40	50	
1234567890	1234567890	1234567890	1234567890	1234567890	
CCACTGGGGA	TGGCTTCCGG	ACACATTAGA	GATTTTCAGA	TTACAGCTTC	3850
ProLeuGlyM	etAlaSerGl	yHisIleArg	AspPheGlnI	leThrAlaSe	
AGGACAATAT	GGACAGTGGG	CCCCAAAGCT	GGCAGACTT	CATTATTOCG	3900
rGlyGlnTyr	GlyGlnTrpA	laProLysLe	uAlaArgLeu	HisTyrSerG	
GATCAATCAA	TGCGTGGAGC	ACCAAGGATC	OCTTTTCCTG	GATCAAGGIG	3950
lySerIleAs	nAlaTrpSer	ThrLysAspP	roPheSerTr	pIleLysVal	
GATCTCTTGG	CAOOGATGAT	TATTACGGC	ATCATGAOCC	AGGGGGCCCG	4000
AspLeuLeuA	laProMetIl	eIleHisGly	IleMetThrG	lnGlyAlaAr	
CCAGAAGTTC	TCCAGCCTCT	AOGTGTCTCA	GTTTATCATC	ATGTACAGTC	4050
gGlnLysPhe	SerSerLeuT	yrValSerGl	nPheIleIle	MetTyrSerL	
TGGATGGCAA	CAAGTGGCAC	AGTTACCGAG	GGAATTCCAC	GGGGACCTTA	4100
euAspGlyAs	nLysTrpHis	SerTyrArgG	lyAsnSerTh	rGlyThrLeu	
ATGGTCTTCT	TGGCAACGT	GGATTCATCT	GGGATCAAAC	ACAATATTTT	4150
MetValPheP	heGlyAsnVa	lAspSerSer	GlyIleLysH	isAsnIlePh	
TAAOCCCTCG	ATTATTGCTC	AGTACATCCG	TTTGCAOCCA	AOCCATTACA	4200
eAsnProPro	IleIleAlaG	lnTyrIleAr	gLeuHisPro	ThrHisTyrS	
GCATCCGCAG	CACTCTTCGC	ATGGAGCTCT	TGGGCTGTGA	CTTCAACAGT	4250
erIleArgSe	rThrLeuArg	MetGluLeuL	euGlyCysAs	pPheAsnSer	
TGCAGCATGC	CGCTGGGGAT	GGAGAGTAAA	GCAATATCAG	ATGCTCAGAT	4300
CysSerMetP	roLeuGlyMe	tGluSerLys	AlaIleSerA	spAlaGlnIl	
CACTGCOCTCG	TCCTAOCCTAA	GCAGTATGCT	TGCCACTTGG	TCTOCTTCCC	4350
eThrAlaSer	SerTyrLeuS	erSerMetLe	uAlaThrTrp	SerProSerG	
AAGCCCGGCT	GCACCTGCAG	GGCAGGACTA	ATGCOCTGGAG	AOCTCAGGCA	4400
lnAlaArgLe	uHisLeuGln	GlyArgThrA	snAlaTrpAr	gProGlnAla	
AATAACCCAA	AAGAGTGGCT	GCAAGTGGAC	TTCGGGAAGA	CCATGAAAGT	4450
AsnAsnProL	ysGluTrpLe	uGlnValAsp	PheArgLysT	hrMetLysVa	
CACAGGAATA	ACCAOCCAGG	GGGTGAAATC	TCTOCTCATC	AGCATGTATG	4500
lThrGlyIle	ThrThrGlnG	lyValLysSe	rLeuLeuIle	SerMetTyrV	
TGAAGGAGTT	OCTCATCTCC	AGTAGTCAAG	ATGGOCATAA	CTGGACTCTG	4550
alLysGluPh	eLeuIleSer	SerSerGlnA	spGlyHisAs	nTrpThrLeu	
TTTCTTCAGA	ATGGCAAAGT	CAAGGTCTTC	CAGGGAAACC	GGGACTOCTC	4600
PheLeuGlnA	snGlyLysVa	lLysValPhe	GlnGlyAsnA	rgAspSerSe	
CACGCCGTGTG	CGGAACCGTC	TCGAACCCCC	GCTGGTGGCT	CGCTACGTGC	4650
rThrProVal	ArgAsnArgL	euGluProPr	oLeuValAla	ArgTyrValA	
GOCTGCACCC	GCAGAGCTGG	GCGCACCACA	TGGOCTGAG	GCTGGAGGTC	4700
rgLeuHisPr	oGlnSerTrp	AlaHisHisI	leAlaLeuAr	gLeuGluVal	
CTGGGCTGGG	ACACCCAGCA	GCCCGOCTGA	CCCGGOCTC	TGCGGCOCTG	4750
LeuGlyCysA	spThrGlnGl	nProAla...			

FIG. 6.F.

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10	20	30	40	50	
1234567890	1234567890	1234567890	1234567890	1234567890	
TCTCCCCCTGC	CTCCCTGCCC	TGTCCCCCGCG	GCTTCCCATC	AAGCTTATCG	4800
ATAACGTCGA	GCGAGTTCCT	CTGAGGGGAT	CGGCAATAAA	AAGACAGAAT	4850
AAAACGCAAG	GGTGTTGGGT	CGTTTGTTTG	GATOCAGATC	TAGGAACCCC	4900
TAGTGATGGA	GTGGGOCAC	CCCTCTCTGC	GCGCTCGCTC	GCTCACTGAG	4950
GOOGCCCCGG	CAAAGCCCCG	GCGTCGGGCG	ACCTTTGGTC	GOCCGGGCTC	5000
AGTGAGCGAG	CGAGCGCGCA	GAGAGGGAGT	GGCCAACCCC	CCCCCCCCCC	5050
CCCTGTCAGC	CCAGCTGCAT	TAATGAATCG	GCCAACGCGC	GGGGAGAGGC	5100
GGTTTGCGTA	TTGGGCGCTC	TTCCGCTTCC	TCGCTCACIG	ACTCGCTGCG	5150
CTCGGTGCTT	CGGCTGCGGC	GAGCGGTATC	AGCTCACTCA	AAGGCGGTAA	5200
TAAGGTATAT	CACAGAATCA	GGGGATAACG	CAGGAAAGAA	CATGTGAGCA	5250
AAAGGOCAGC	AAAAGGOCAG	GAACCGTAAA	AAGGCGCGGT	TGCTGGCGTT	5300
TTTCCATAGG	CTCCGCCCCC	CTGACGAGCA	TCACAAAAAT	CGACGCTCAA	5350
GTCAGAGGTG	GCGAAACCCG	ACAGGACTAT	AAAGATACCA	GGCGTTTCCC	5400
CCTGGAAGCT	CCCTCGTGGG	CTCTCTGTTT	CCGACCCCTG	CGCTTACCGG	5450
ATAACCTGTC	GCGTTTCTCC	CTTCGGGAAG	CGTGGCGCTT	TCTCAATGCT	5500
CACGCTGTAG	GTATCTCAGT	TOGGTGTAGG	TOGTTGCTC	CAAGCTGGGC	5550
TGTGTGCAAG	AAACCCCCCG	TCAGCCCCGAC	CGCTGCGGCT	TATCCGGTAA	5600
CTATCGTCTT	GAGTCCAACC	CGGTAAGACA	CGACTTATCG	CCACTGGCAG	5650
CAGCCACTGG	TAACAGGATT	AGCAGAGCGA	GGTATGTAGG	CGGTGCTACA	5700

FIG. 6.G.

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10	20	30	40	50	
1234567890	1234567890	1234567890	1234567890	1234567890	
<u>GAGTTCCTGA</u>	<u>AGTGGTGGOC</u>	<u>TAACTACGGC</u>	<u>TACACTAGAA</u>	<u>GGACAGTATT</u>	5750
<u>TGGTATCTGC</u>	<u>GCTCTGCTGA</u>	<u>AGOCAGTTAC</u>	<u>CTTCGGAAAA</u>	<u>AGAGTTGGTA</u>	5800
<u>GCTCTTGATC</u>	<u>CGGCAAACAA</u>	<u>ACCACCGCTG</u>	<u>GTAGCGGTGG</u>	<u>TTTTTTTGTT</u>	5850
<u>TGCAAGCAGC</u>	<u>AGATTACGCG</u>	<u>CAGAAAAAAA</u>	<u>GGATCTCAAG</u>	<u>AAGATCCTTT</u>	5900
<u>GATCTTTTCT</u>	<u>AOGGGGTCTG</u>	<u>AOGCTCAGTG</u>	<u>GAACGAAAAC</u>	<u>TCAOGTTAAG</u>	5950
<u>GGATTTTGGT</u>	<u>CATGAGATTA</u>	<u>TCAAAAAGGA</u>	<u>TCTTCAOCTA</u>	<u>GATOCITTTA</u>	6000
<u>AATTAAAAAT</u>	<u>GAAGTTTTAA</u>	<u>ATCAATCTAA</u>	<u>AGTATATATG</u>	<u>AGTAAACTTG</u>	6050
<u>GTCTGACAGT</u>	<u>TACCAATGCT</u>	<u>TAATCAGTGA</u>	<u>GGCACCTATC</u>	<u>TCAGOGATCT</u>	6100
	ylGelIreS	ueL...siHo	rPlaV...gr	AueLreSgrA	
<u>GTCTATTTTG</u>	<u>TTCATOCATA</u>	<u>GTTGOCCTGAC</u>	<u>TCCCCGTCTG</u>	<u>GTAGATAACT</u>	6150
psAelIulGn	sAteMprTue	lnlGgrAlaV	ylGgrAgrAr	hTreSueL..	
<u>AOGATAOOGG</u>	<u>AGGGCTTACC</u>	<u>ATCTGGCCCC</u>	<u>AGTGCTGCAA</u>	<u>TGATAOOGCG</u>	6200
.reSlaVorP	orPreSlaVt	eMnlGylGpr	TsiHnlGueL	reSlaValAu	
<u>AGACCCACGC</u>	<u>TCACOGGCTC</u>	<u>CAGATTTTATC</u>	<u>AGCAATAAAC</u>	<u>CAGOCAGCOG</u>	6250
eLylGlaVre	SlaVorPulG	ueLnsAelIu	eLueLueLyl	GalAueLgrA	
<u>GAAGGGCOGA</u>	<u>GOGCAGAAGT</u>	<u>GGTCCTGCAA</u>	<u>CTTTATCOGC</u>	<u>CTCCATOCAG</u>	6300
ehPorPgrAa	lAsyCehPsi	HpsAnlGueL	syLelIgrAg	rAprTylGrh	
<u>TCTATTAATT</u>	<u>GTTGOOGGGA</u>	<u>AGCTAGAGTA</u>	<u>AGTAGTTCGC</u>	<u>CAGTTAATAG</u>	6350
T.....nsA	nsAylGorPu	eL...ueLue	LryTnsAala	ueL...ryTh	
<u>TTTGOGCAAC</u>	<u>GTTGTTGOCA</u>	<u>TTGCTACAGG</u>	<u>CATOGTGGTG</u>	<u>TCAOGCTOGT</u>	6400
sAalAsyCgr	AnlGnlGprT	nlG...ueLs	yCgrAorPrh	TlaVreSrhT	
<u>OGTTTGGIAT</u>	<u>GGCTTCATTC</u>	<u>AGCTCOGGTT</u>	<u>CCCAACGATC</u>	<u>AAGGOGAGTT</u>	6450
rhTnlGryTo	rPsyLteM..	.reSgrAnsA	ylGlaVelIu	eLalAueL..	
<u>ACATGATCCC</u>	<u>CCATGTTGTG</u>	<u>CAAAAAAGCG</u>	<u>GTTAGCTCCT</u>	<u>TCGGTCCTCC</u>	6500
.teMelIylG	prTrhTrhTs	yCehPueLor	P...reSgrA	grApsAulGr	
<u>GATCGTTGTC</u>	<u>AGAAGTAAGT</u>	<u>TGGCOGCACT</u>	<u>GTTATCACTC</u>	<u>ATGGTTATGG</u>	6550
eSgrAnlG..	.ehPryTrhT	orPgrAueLr	hTelIlaV..	.orP...orP	
<u>CAGCACTGCA</u>	<u>TAATTCCTCT</u>	<u>ACTGTCATGC</u>	<u>CATCOGTAAG</u>	<u>ATGCTTTTCT</u>	6600
ueLlaValAr	yTnsAulG..	.nlG...ala	teMgrAueLe	liIreSsyLnl	
<u>GTGACTGGTG</u>	<u>AGTACTCAAC</u>	<u>CAAGTCATTC</u>	<u>TGAGAATAGT</u>	<u>GTATGCGGCG</u>	6650
GreSnlGsiH	rhTreSueLp	rTrhTteMgr	AueLelIrhT	ryTalaAalAl	

FIG. 6.H.

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10	20	30	40	50	
1234567890	1234567890	1234567890	1234567890	1234567890	
ACOGAGTTGC	TCTTGCCCGG	OGTCAATACG	GGATAATACC	GCGCCACATA	6700
aVreSnsAre	SsyLylGorP	rhTueLlaVo	rPryTryTgr	AalAlaVryT	
GCAGAACTTT	AAAAGTGCTC	ATCATTGGAA	AAOGTTCTTC	GGGGOGAAAA	6750
syCehPsyLu	eLueLala..nlGehP	laVnsAsyLo	rPalAehPla	
CTCTCAAGGA	TCTTACCGCT	GTTGAGATCC	AGTTGATGT	AAOCCACTOG	6800
VgrAueLreS	grAlaValAr	hTreSelIpr	TnsAreSrhT	laVprTulGs	
TGCAOCCAAC	TGATCTTCAG	CATCTTTTAC	TTTCACCAGC	GTTTCTGGGT	6850
iHlaVprTre	SelIsyLueL	teMsyL...s	yL...prTgr	AsyLnIGrhT	
GAGCAAAAAC	AGGAAGGCAA	AATGCOGCAA	AAAAGGGAAT	AAGGGOGACA	6900
ueLueLehPu	eLehPalAeh	PsiHgrAueL	ehPorPehPu	eLorPreSla	
CGGAAATGTT	GAATACTCAT	ACTCTTOCTT	TTTCAATATT	ATTGAAGCAT	6950
VreSelInsA	ehPlaV...l				
TTATCAGGGT	TATTGTCTCA	TGAGOGGATA	CATATTTGAA	TGTATTTAGA	7000
AAAATAAACA	AATAGGGGTT	COGCGCACAT	TTCCCOGAAA	AGTGCCAOCT	7050
GAGGTCTAAG	AAACCATTAT	TATCATGACA	TTAACCTATA	AAAATAGGOG	7100
TATCAOGAGG	CCCTTTGCTC	TCGOGCGTTT	CGGTGATGAC	GGTGAAAACC	7150
TCIGACACAT	GCAGCTCCCG	GAGACGGTCA	CAGCTTGTCT	GTAAGOGGAT	7200
GCOGGGAGCA	GACAAGCCCG	TCAGGGCGCG	TCAGOGGGTG	TTGGOGGGTG	7250
TOGGGGCTGG	CTTAACTATG	CGGCATCAGA	GCAGATTGTA	CTGAGAGTGC	7300
ACCATATGCG	GTGTGAAATA	COGCACAGAT	GOGTAAGGAG	AAAATACCGC	7350
ATCAGGAAAT	TGTAAAGGTT	AATATTTTGT	TAAAATTGCG	GTTAAATTTT	7400
TGTAAATCA	GCTCATTTTT	TAACCAATAG	GCOGAAATCG	GCAAAATCCC	7450
TTATAAATCA	AAAGAATAGA	COGAGATAGG	GTTGAGTGT	GTTCCAGTTT	7500
GGAACAAGAG	TCCACTATTA	AAGAAGGTGG	ACTCCAAGGT	CAAAGGGOGA	7550
AAAACCGTCT	ATCAGGGCGA	TGGCCCACTA	OGTGAACCAT	CACCTAATC	7600

FIG. 6.I.

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10	20	30	40	50	
1234567890	1234567890	1234567890	1234567890	1234567890	
<u>AAGTTTTTTG GGGTCGAGGT GCGTAAAGC ACTAAATGG AACCTAAAG</u>					7650
<u>GGAGCCCCCG ATTTAGAGCT TGACGGGGAA AGOOGGOGAA OGTCGGGAGA</u>					7700
<u>AAGGAAGGGA AGAAAGOGAA AGGAGOGGGC GCTAGGGGCG TGGCAAGIGT</u>					7750
<u>AGOGGTCAAG CTGOGOGTAA CCAACACAAC CGOOGGCGTT AATGOGGCGC</u>					7800
<u>TACAGGGGCG GTGOGGOCAT TOGOCATTCA GGCTACGCAA CTGHTGGGAA</u>					7850
<u>GGGOGATOGG TGOGGGGCTC TTOGCTATTA OGOCAGCTGG CTGCAGGGGG</u>					7900
<u>GGGGGGGGGG GGGT</u>					7914